

0528 #6

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See page 6

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RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/092,243A

TIME: 13:55:12

Input Set : A:\00-505I.corrected.seglist.txt

Output Set: N:\CRF3\06032002\J092243A.raw

3 <110> APPLICANT: Hillman, Jeffrey D.
5 <120> TITLE OF INVENTION: Microbial Polynucleotides Expressed During Infection of
6 a Host
8 <130> FILE REFERENCE: MBHB00-505I
10 <140> CURRENT APPLICATION NUMBER: 10/092,243A
C--> 11 <141> CURRENT FILING DATE: 2002-05-21
13 <150> PRIOR APPLICATION NUMBER: 60/147,551
14 <151> PRIOR FILING DATE: 1999-08-06
16 <150> PRIOR APPLICATION NUMBER: US00/21340
17 <151> PRIOR FILING DATE: 2000-08-04
19 <160> NUMBER OF SEQ ID NOS: 20
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 849
25 <212> TYPE: DNA
26 <213> ORGANISM: Actinobacillus actinomycetemcomitans
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (566)
31 <223> OTHER INFORMATION: N stands for any nucleotide.
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (625)
36 <223> OTHER INFORMATION: N stands for any nucleotide.
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39 <221> NAME/KEY: misc_feature
40 <222> LOCATION: (627)
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44 <221> NAME/KEY: misc_feature
45 <222> LOCATION: (636)
46 <223> OTHER INFORMATION: N stands for any nucleotide.
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: (650)
51 <223> OTHER INFORMATION: N stands for any nucleotide.
53 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
55 <222> LOCATION: (656)
56 <223> OTHER INFORMATION: N stands for any nucleotide.
58 <220> FEATURE:
59 <221> NAME/KEY: misc_feature
60 <222> LOCATION: (661)

RAW SEQUENCE LISTING

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Input Set : A:\00-505I.corrected.seqlist.txt

Output Set: N:\CRF3\06032002\J092243A.raw

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61 <223> OTHER INFORMATION: N stands for any nucleotide.
63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature
65 <222> LOCATION: (672)
66 <223> OTHER INFORMATION: N stands for any nucleotide.
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69 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (681)
71 <223> OTHER INFORMATION: N stands for any nucleotide.
73 <220> FEATURE:
74 <221> NAME/KEY: misc_feature
75 <222> LOCATION: (720)
76 <223> OTHER INFORMATION: N stands for any nucleotide.
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (723)
81 <223> OTHER INFORMATION: N stands for any nucleotide.
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85 tggtcggttc gtccagaata tacagggttt tgcccgatc ccgtttggag agttccgctg 120
86 ccagtttcac ccgttgcgct tccccgccgg acagggtggt agaggattgc cccaagcgaa 180
87 tataagacaa gccacgctca atcagggttt gcaatttac cgcaatcatt ggaatggcat 240
88 cgaaaaactc gcgcgcatct tccaccgtca tgtccagcac ctgatgaatg gttttacctt 300
89 tgtagecggat ttccagggtt tcgcgattgt aacgcttgcc tttacattgg tcgcaaggca 360
90 cgtacacatc gggcaggaag tgcatttcca ctttgattac gccgtcgccc tggcaggctt 420
91 acagcgcccc ccgcgcacgt taaaactgaa acgccccggg ttataaccgc gcgcacgggc 480
92 tttcggtagc ccggcaaaca attcgcgaat cggcgtgaat acgcccgtgt aagttgcccc 540
W--> 93 gttggagcgt ggcgtgcgtc caatcnggct ttggttaata tcaatacttt atcgaaaaat 600
W--> 94 tccaaacctt taatggactt gtacngngaa acctcngcat tttctgcacn attaangcgt 660
W--> 95 nttgtgcaat anggaacaaa ntgtcgttaa tcagtgtaga atttacetta accggacacn 720
W--> 96 ccngtgatgc aggtaaataa gccacgggga atgtctaaat tgacgttttt caggttggtta 780
97 ccggaagcgc cgaacaattt gagcattttt ttcttatcaa gtgcggtacg ttttttcggt 840
98 atttcgatc 849
101 <210> SEQ ID NO: 2
102 <211> LENGTH: 357
103 <212> TYPE: DNA
104 <213> ORGANISM: Actinobacillus actinomycetemcomitans
106 <400> SEQUENCE: 2
107 gatcactaag ttgttcaatc ctttcgcttg ggaatctttg tctaaatacg gtttatgttg 60
108 cattgcgtta acgtctaaat cacctttaga cactgcagtg tttggcaagg cgtagtcatg 120
109 aataaaacgt attctacgtc taagttgtat ttttcttttg ccactttcgc tgcgatttca 180
110 gccacttggg ttccgggtcc tgccatcacg cccactttga ttgttgccgg ggcttctgcc 240
111 gccggtttgt ctgccggtgc ggcttcgggt tttttctctt cattacaagc ccgttaaggc 300
112 gaatacggag gctaattgtt cgacgcctaa taattttttt caagttcata aaagatc 357
115 <210> SEQ ID NO: 3
116 <211> LENGTH: 886
117 <212> TYPE: DNA
118 <213> ORGANISM: Actinobacillus actinomycetemcomitans
120 <220> FEATURE:

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/092,243A

DATE: 06/03/2002

TIME: 13:55:12

Input Set : A:\00-505I.corrected.seqlist.txt

Output Set: N:\CRF3\06032002\J092243A.raw

121 <221> NAME/KEY: misc_feature
 122 <222> LOCATION: (554)
 123 <223> OTHER INFORMATION: N stands for any nucleotide.
 125 <220> FEATURE:
 126 <221> NAME/KEY: misc_feature
 127 <222> LOCATION: (596)
 128 <223> OTHER INFORMATION: N stands for any nucleotide.
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 132 gcgcgtcggc aacggcatgg tagggcgacg ccgtggttta aaccaagcca aagcggaatg 120
 133 gcgcttatatt aagctaaaac accatcttgg cattcaggga tttttatccg ggctattcac 180
 134 tttgtcctg cgttcgggtg ccagattatt gccgacatca ttactgaaaa acatctatca 240
 135 aaccttttta agaaaataac atgatgaaat taaactgtat tttaaaaata tccggaattt 300
 136 ccaccgcact ttttctagcg ggttggttctt caaattcaag tgcgcgcgacg caatcctctg 360
 137 agcaggcgaa ttctgtttacg gctgtgaatc ccactgcggt gtacagtaag ccccgcaactt 420
 138 tggataactt caacgattat gtgaatttct taaaaggtaa agcagcgga gaaggcggtt 480
 139 ctgcccgcgt attgaatgca caaaataata ttaattatat tcaaaaatcc gtggatttgg 540
 W--> 140 acgatcaaca agcnggcaga attcgcaagc gtgatccaaa tgccccgcgg atcatnaatt 600
 141 ccgaacggca cgaccaatta cttaaactgt gtattaacca agaataaagt agacacggca 660
 142 gaagcacggtt attgggaaca attgccgcag cttgaaaatg cttcaaagaa attcagcgta 720
 143 ccgaaaaatt atctgttagc cttgtggggc atggagagta gctttggcta ttatcagggc 780
 144 aattacgatg tgttatccac cttagccact cttgcttttg acggacgccg tgaagcctta 840
 145 ttcagcaaag aattcatcgc cgccatgaaa atgctacagc gcgatc 886
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 149 <211> LENGTH: 507
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Actinobacillus actinomycescomitans
 153 <220> FEATURE:
 154 <221> NAME/KEY: misc_feature
 155 <222> LOCATION: (4)
 156 <223> OTHER INFORMATION: N stands for any nucleotide.
 158 <220> FEATURE:
 159 <221> NAME/KEY: misc_feature
 160 <222> LOCATION: (9)
 161 <223> OTHER INFORMATION: N stands for any nucleotide.
 163 <220> FEATURE:
 164 <221> NAME/KEY: misc_feature
 165 <222> LOCATION: (21)
 166 <223> OTHER INFORMATION: N stands for any nucleotide.
 168 <220> FEATURE:
 169 <221> NAME/KEY: misc_feature
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 171 <223> OTHER INFORMATION: N stands for any nucleotide.
 173 <220> FEATURE:
 174 <221> NAME/KEY: misc_feature
 175 <222> LOCATION: (29)
 176 <223> OTHER INFORMATION: N stands for any nucleotide.
 178 <220> FEATURE:
 179 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING

DATE: 06/03/2002

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TIME: 13:55:12

Input Set : A:\00-505I.corrected.seqlist.txt

Output Set: N:\CRF3\06032002\J092243A.raw

180 <222> LOCATION: (32)
181 <223> OTHER INFORMATION: N stands for any nucleotide.
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (35)..(36)
186 <223> OTHER INFORMATION: N stands for any nucleotide.
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (39)
191 <223> OTHER INFORMATION: N stands for any nucleotide.
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (42)
196 <223> OTHER INFORMATION: N stands for any nucleotide.
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (45)
201 <223> OTHER INFORMATION: N stands for any nucleotide.
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (49)
206 <223> OTHER INFORMATION: N stands for any nucleotide.
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (52)
211 <223> OTHER INFORMATION: N stands for any nucleotide.
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (58)
216 <223> OTHER INFORMATION: N stands for any nucleotide.
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (61)..(62)
221 <223> OTHER INFORMATION: N stands for any nucleotide.
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (65)
226 <223> OTHER INFORMATION: N stands for any nucleotide.
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (69)
231 <223> OTHER INFORMATION: N stands for any nucleotide.
233 <220> FEATURE:
234 <221> NAME/KEY: misc_feature
235 <222> LOCATION: (73)
236 <223> OTHER INFORMATION: N stands for any nucleotide.
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <222> LOCATION: (97)

RAW SEQUENCE LISTING

DATE: 06/03/2002

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Input Set : A:\00-505I.corrected.seqlist.txt

Output Set: N:\CRF3\06032002\J092243A.raw

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243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (102)
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248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: (138)
251 <223> OTHER INFORMATION: N stands for any nucleotide.
253 <220> FEATURE:
254 <221> NAME/KEY: misc_feature
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256 <223> OTHER INFORMATION: N stands for any nucleotide.
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259 <221> NAME/KEY: misc_feature
260 <222> LOCATION: (459)
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263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (467)
266 <223> OTHER INFORMATION: N stands for any nucleotide.
268 <400> SEQUENCE: 4
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W--> 270 nngcnaggng cancgactta cctttgccga cggttcnctg tntgaaagcg ccattcgcaa 120
W--> 271 agtgccggtg gaggcggnga aaattcactc acttggtgcg gaaggcaatg atgtgggatt 180
272 gaaagcccat catggcgggt ggataaagcg ttatttttta tgcgggcaga tgcctttcct 240
273 gcgttaaatg cgttattaga cgaaaatttt tcgtatcagg acacagcagt ttacggcgag 300
274 aattttgtg tttccgcgct gaatgaagat tccgtgtgtg tgggcgatat ttatcaaattc 360
275 ggctcctgcg tgggtggaggt gtcgcagccg cgtaaaccctt gtgagcgctt atcgaaaaat 420
W--> 276 accaataatc cgaacacgca acaaaccgtg tacgctncng ctgggtcnggc tgggtatgtgc 480
277 cgggtggtacc ccaaggggga aattcaa 507
280 <210> SEQ ID NO: 5
281 <211> LENGTH: 1087
282 <212> TYPE: DNA
283 <213> ORGANISM: Actinobacillus actinomycetemcomitans
285 <220> FEATURE:
286 <221> NAME/KEY: misc_feature
287 <222> LOCATION: (622)
288 <223> OTHER INFORMATION: N stands for any nucleotide.
290 <220> FEATURE:
291 <221> NAME/KEY: misc_feature
292 <222> LOCATION: (642)
293 <223> OTHER INFORMATION: N stands for any nucleotide.
295 <220> FEATURE:
296 <221> NAME/KEY: misc_feature
297 <222> LOCATION: (661)
298 <223> OTHER INFORMATION: N stands for any nucleotide.
300 <220> FEATURE:
301 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\00-505I.corrected.seqlist.txt
Output Set: N:\CRF3\06032002\J092243A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 566,625,627,636,650,656,661,672,681,720,723
Seq#:3; N Pos. 554,596
Seq#:4; N Pos. 4,9,21,23,29,32,35,36,39,42,45,49,52,58,61,62,65,69,73,97
Seq#:4; N Pos. 102,138,457,459,467
Seq#:5; N Pos. 622,642,661,669,685,690,700
Seq#:6; N Pos. 609,614,651,665
Seq#:7; N Pos. 532,630,696,710,722,725
Seq#:8; N Pos. 538
Seq#:12; N Pos. 131,151,170,178,194,199,209
Seq#:18; Xaa Pos. 43,50,59,66,69

VERIFICATION SUMMARY

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Input Set : A:\00-505I.corrected.seqlist.txt

Output Set: N:\CRF3\06032002\J092243A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:540
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:600
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:660
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:720
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:540
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:420
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:600
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:660
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:600
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:660
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:480
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:600
L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:660
L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:720
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:480
L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:120
L:549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:180
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:32
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:48
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:64